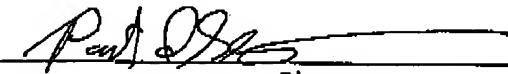


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In The United States Patent And Trademark Office

Applicant: Jeffrey P. Milsap Date: January 27, 2006
Date Filed: December 18, 2001 Docket No.: MILSJE-2
App. No.: 10/024,159 Art Unit: 2644
For: Phased Array Sound System Examiner: B. Pendleton

<p align="center">Certificate of Facsimile Transmission</p> <p align="center">I I hereby certify that this correspondence is being transmitted via facsimile to the U.S. Patent and Trademark Office</p> <p align="center">on <u>1/27/06</u> Date</p> <p align="center"> Signature</p> <p align="center"><u>Patrick J.G. Stiennon, Reg. No. 34934</u> Name of applicant, assignee or Registered Representative</p>

CFR 1.131 Declaration

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Declaration of Jeffrey P. Milsap

1. I am the inventor of the subject matter claimed in U.S. Patent App. No. 10/024,159, filed on December 18, 2001.
2. Prior to January 9, 2001, I took my disclosure of my invention to an engineering colleague, Daniel Butler, and had him read and understand the subject matter contained in the disclosure. I then had him sign and notarize an affidavit that the disclosure was read and understood. A copy of the signed and notarized affidavit is attached hereto as Exhibit D.

App. No. 10/024,159
Declaration of Jeffery P. Milsap

3. Between January 9, 2001, and September 10, 2001, I did the circuit design for the DSP SDK interface and the circuit design for the Analog Speaker Signal Distribution Board. Throughout the time period of January 9, 2001, to September 10, 2001, while working full-time at my regular occupation, I completed the design, sent parts out for fabrication, received fabricated parts, wrote and debugged software, and assembled my invention.
4. In late December of 2000 and early January of 2001 I created a macro written in Visual Basic that could create the "PIK" file for component placement automatically. The first instantiation of the macro spreadsheet program was in the file "whoopy.xls" last modified on January 9, 2001 see page 1 of Exhibit O. A spreadsheet including the macro and a spreadsheet of data is identified as COMPONENT DESIGNATORS...on page 1 which I last modified on January 21, 2001, Exhibit O includes a printout of the same macro, and a printout of a portion of the spreadsheet that created the "PIK" file.
5. As seen in page 1 of Exhibit AB, the 16 Channel D to A board was ready to quote for fabrication on February 18, 2001, as evidenced by the specification sheet with that date showing the layer table for PADS, TRACKS, ARCs and Text as evidenced on page 1 of Exhibit AB. The board was quoted for fabrication on February 19, 2001, as evidenced on page 2 of Exhibit AB and ordered on March 12, 2001, as evidenced on page 3 of Exhibit AB. During March, 2001, I completed fabrication layout for the 16 channel D to A board as evidenced by Exhibit R (March 5, 2001) attached hereto. Components for the 16 channel D to A board were ordered on March 24, 2001, as shown on page 4 of Exhibit AB.
6. During the time that boards and parts were ordered for the 16 Channel D to A Board, I completed the board development for the DSP Board in April and May of 2001 as evidenced by attached Exhibit S (May 5, 2001). The DSP board was shipped on May 12, 2001, and received in May of 2001 as evidenced by page 5 of Exhibit AB. Parts to stuff the DSP board were ordered as shown by pages 6, 7, 8 of Exhibit AB showing parts orders related to the DSP board that were ordered on May 31, June 1, and June 23 of 2001 respectively.
7. After the DSP was ordered up and ready to build, I created the cable interface board, page 10 of the Exhibit AB show parts orders related to the cable interface board ordered on August 16, 2001. During the summer of 2001, I finished the Cable Interface Board see Exhibit T (August 26th 2001)
8. The dates of exhibits O, R, S, T are from the files on my computer as evidenced by screen shots attached to each of said exhibits showing the date when the file was last modified. Accompanying each said screen shot is a printout of some portion of said file.

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9. I ordered the audio speakers June 26, 2001, evidenced by page 9 of Exhibit AB, for the emitter panels and proceeded to create the design for the emitter panel hardware and mounting carriage as demonstrated in notes made in August 2001 and attached hereto as Exhibit U.

10. I was ready to test the entire system on September 10, 2001, and did so, the date is fixed in my memory as the next day was 9/11/01, the date the United States was attacked. A digital print of the equipment used for reduction to practice is attached as exhibit Y. The system functioned as expected and predicted in the original disclosure of Exhibit D. On October 7, 2001, and as written up on October 8, 2001, I took test data in accordance with the description in the patent application, the written and entered data is attached hereto as Exhibit Z. The data of Exhibit Z is shown in the patent application as data tables on pages 18-21 of the application.

12. The exhibits attached hereto are true and correct copies of documents which I created and have maintained custody of and which I know to be copies of the documents created on or before the dates set forth above. I believe the documents accurately evidence a conception date before January 9, 2001, and reasonable diligence from January 9, 2001, through the date of reduction to practice of September 10, 2001.

13. As the inventor I am familiar with the contents of the documents/exhibits, and have reviewed the documents for this declaration, and I believe their contents to be true and accurate.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.


Jeffrey P. Milsap

Date 1/27/06